

MatRIC 2018 Annual Conference

September 17-18, Scandic Gardermoen Hotel

Programme (*minor changes are possible*)

Day 1: Monday 17 September: “The why, what and how of teaching calculus”

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| 10:00-11:00 | Registration |
| 11:00-11:15 | Opening & Welcome – Professor Simon Goodchild, MatRIC Director |
| 11:15-12:30 | Introduction by Professor Thomas Gjesteland, MatRIC Co-Director.
Keynote 1: “Using history and education research to shape the calculus curriculum.”
Professor David Bressoud, DeWitt Wallace Professor of Mathematics, Macalester College ,
Director of the Conference Board of the Mathematical Sciences in the USA, former
President of the Mathematical Association of America. |
| 12:30-13:00 | “Calculus.” Professor Tom Lindstrøm, University of Oslo. |
| 13:00-14:00 | Lunch |
| 14:00-15:00 | Keynote 2: “Research on the concepts of calculus: Examining the past and looking ahead.”
Dr. Karen Marrongelle, Dean of the College of Liberal Arts and Sciences at Portland State
University. Dr. Marrongelle is Professor of Mathematics and Statistics. Editor-in-chief:
International Journal of Research in Undergraduate Mathematics Education. |
| 15:00-15:15 | Break |
| 15:15-15:45 | “Why calculus?” Helmer Aslaksen, University of Oslo. |
| 15:45-16:15 | Group discussions: “The why, what and how of teaching calculus” |
| 16:15-16:30 | Break |
| 16:30-17:15 | Panel discussion |
| 17:15-17:30 | End of day one, information about dinner etc. |
| 17:30-19:00 | Networking |
| 19:00 | Dinner at hotel. |

Day 2: Tuesday 18 September: “Students as partners in education”

- 09:00-09:45 Introduction by Simon Goodchild
Peer assessment in mathematics by comparative judgement.
Ian Jones, Loughborough University & David Sirl Nottingham University
- 09:45-10:30 Student partnership in the ‘Catalyst Project’.
Professor Barbara Jaworski, Stephanie Thomas & students: Ayesha Dar, Damma Shrish-Thapa, Daniel J. Conniffe, Matt Feeney, Loughborough University
- 10:30-10:45 Break
- 10:45-11:45 Student engagement through partnership: concepts, change and challenges.
Dr Abbi Flint.
- 11:45-12:45 Lunch
- 12:45-13:00 Introduction and presentation by Astrid Birgitte Eggen, Vice-Rector University of Agder,
Chair of MatRIC’s Management Board.
- 13:00-13:30 Preparation of student teaching assistants at NTNU Professor Frode Rønning
- 13:30-14:00 An example of student partnership in ‘bioCEED’ (Centre for excellence in biology education
at the University of Bergen).
Endre Lygre and Jenny Neuhaus
Endre is a student at Department of Biological Sciences, and a student representative in
bioCEED - Bergen. He is also project leader of biORAKEL.
Jenny is also a student at Department of Biological Sciences, and was at UNIS last semester
where she served as a student representative for bioCEED-UNIS. She is one of the oracles in
biORAKEL.
biORAKEL is a new platform where undergraduate students can come and get help from
experienced students (oracles). <https://bioceed.w.uib.no/projects/biorakel/>
- 14:00-14:30 An example of student partnership in ProTed (Centre for excellence in teachers’
professional education at the Universities of Oslo and Tromsø).
- 14:30-14:45 Break
- 14:45-15:15 Students experiencing flow in a mathematical modelling task.
Thomas Gjesteland, MatRIC (Centre for excellence in mathematics education at the
University of Agder).
- 15:15-15:45 Student partners in CEMPE: From the shadows to the limelight.
The presentation will be held by Guro Utne Salvesen, Guoste Tamulynaite and Jon Helge
Sætre.
An example of student partnership in ‘CEMPE’ (Centre for excellence in music performance
education at Norwegian Academy of Music).
- 15:45-16:15 Final discussion and closing remarks.